

FIG. 1

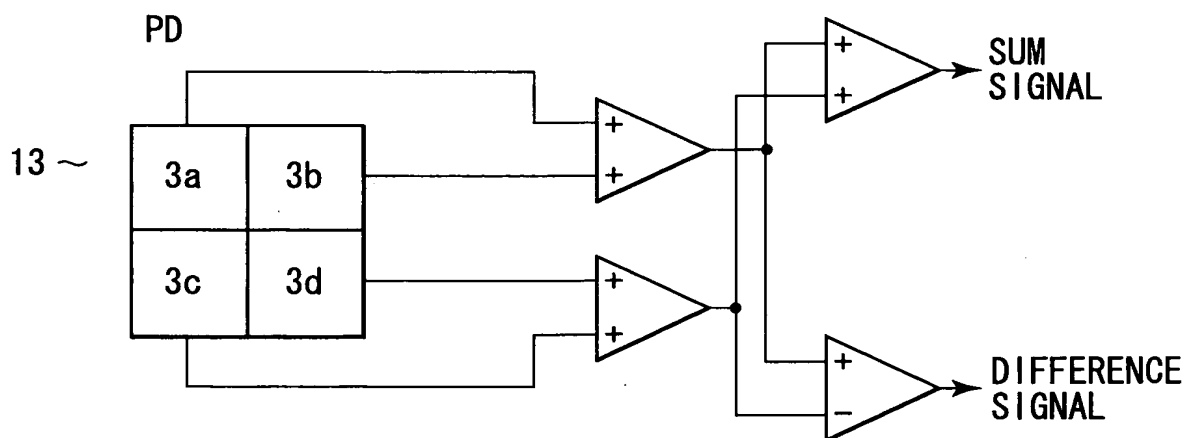
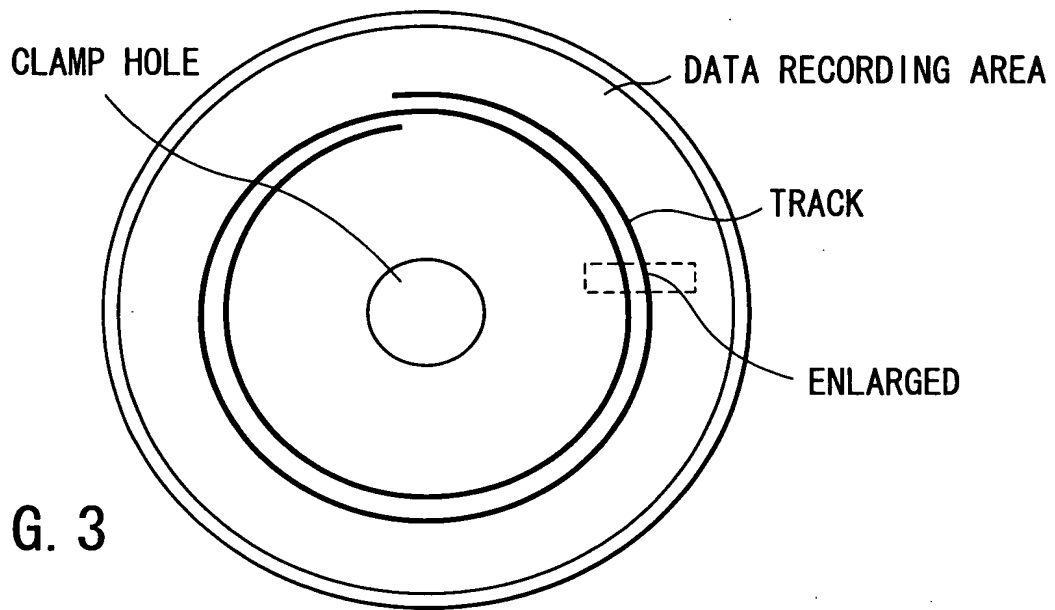
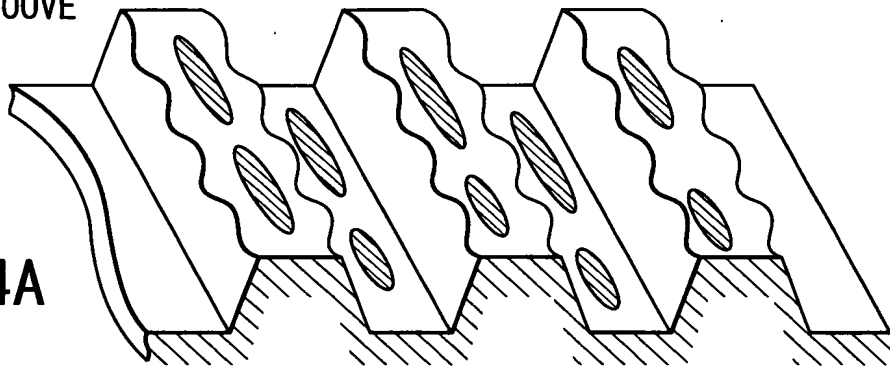


FIG. 2



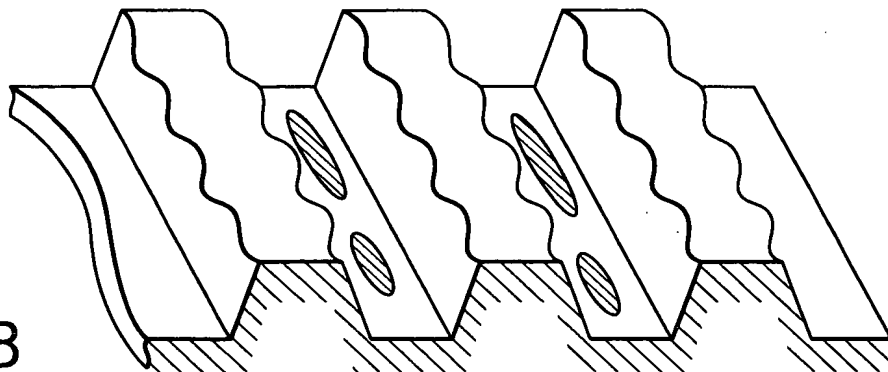
LAND AND GROOVE
RECORDING

FIG. 4A



GROOVE-ONLY
RECORDING

FIG. 4B



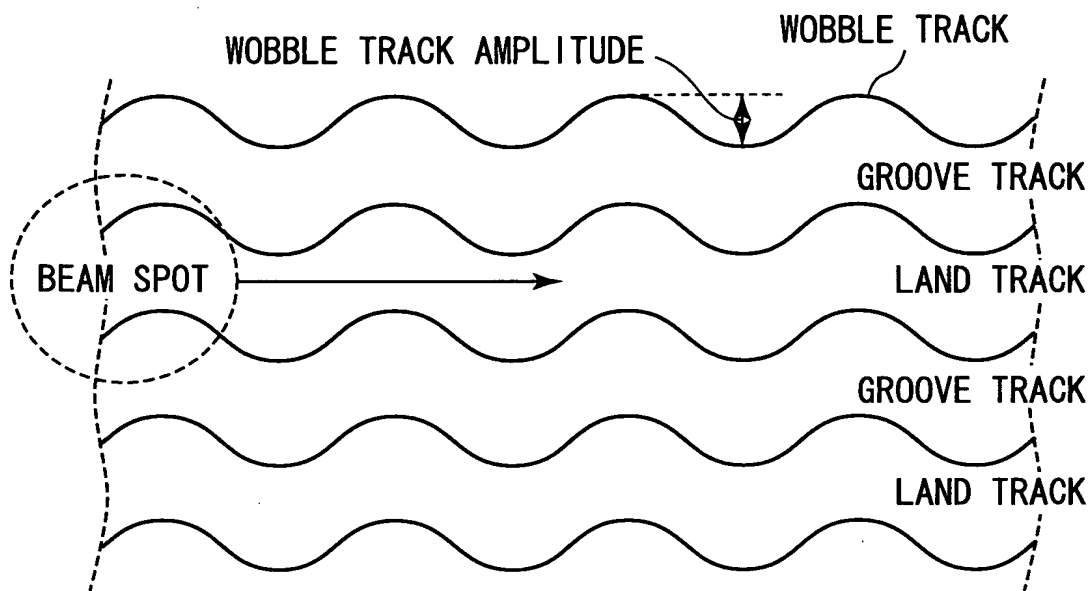


FIG. 5

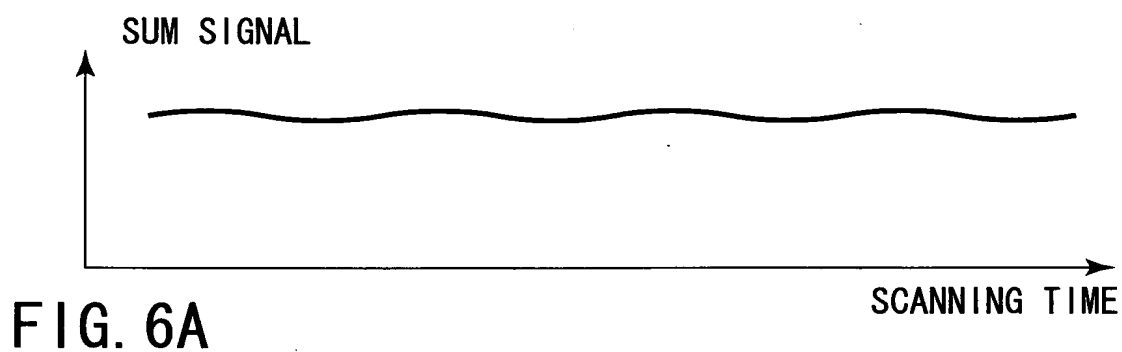


FIG. 6A

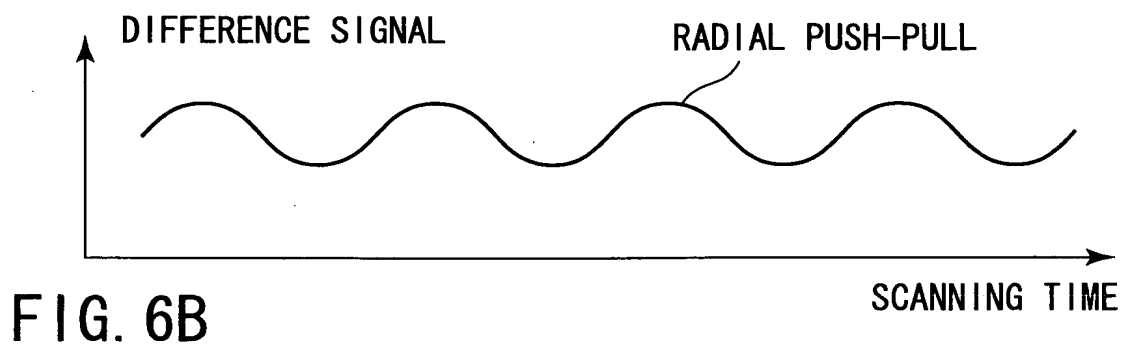


FIG. 6B

FREQUENCY MODULATION

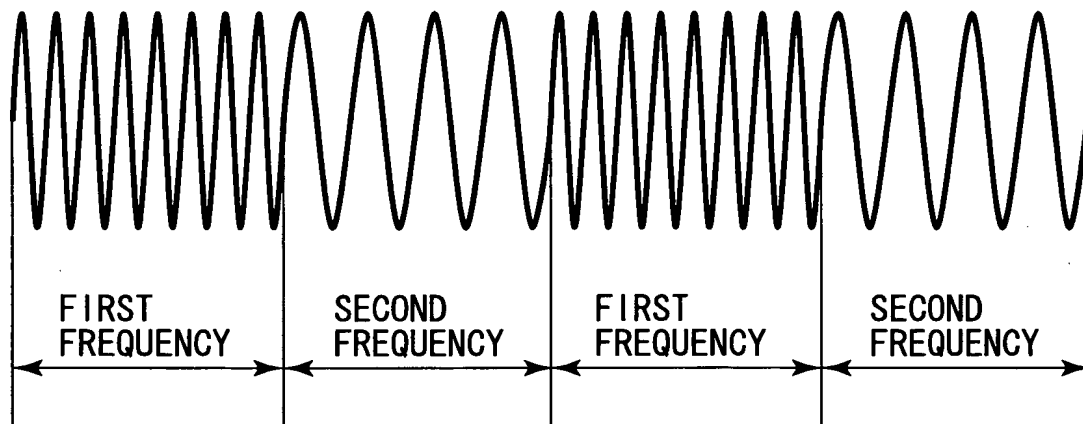


FIG. 7

PHASE MODULATION

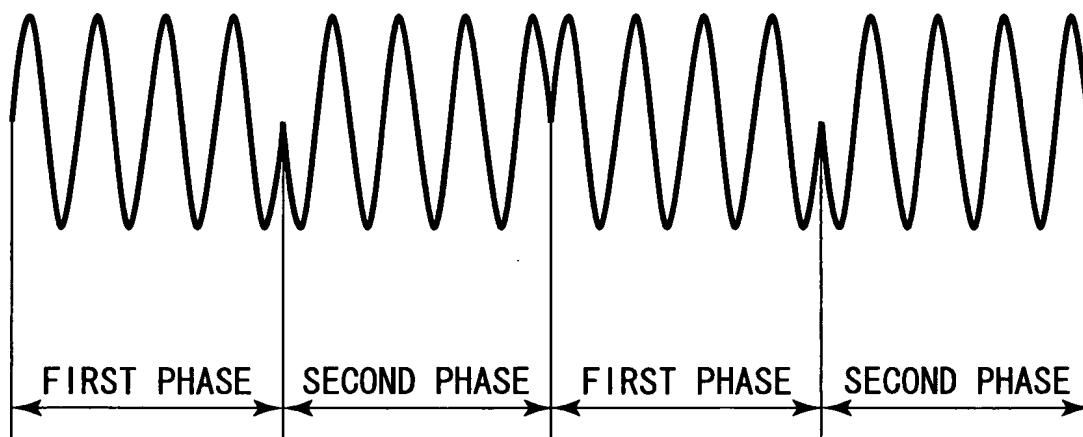
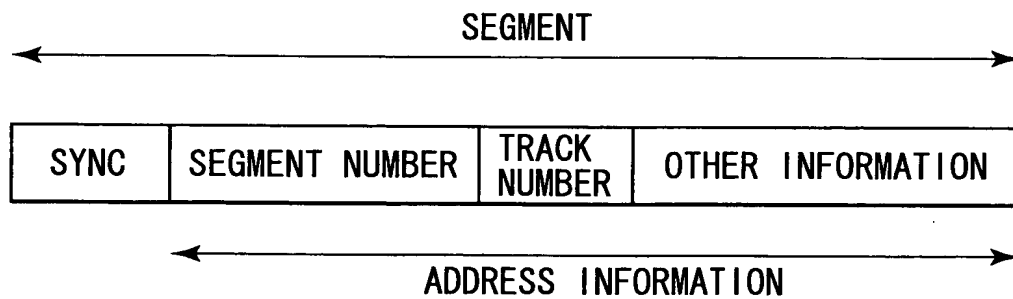
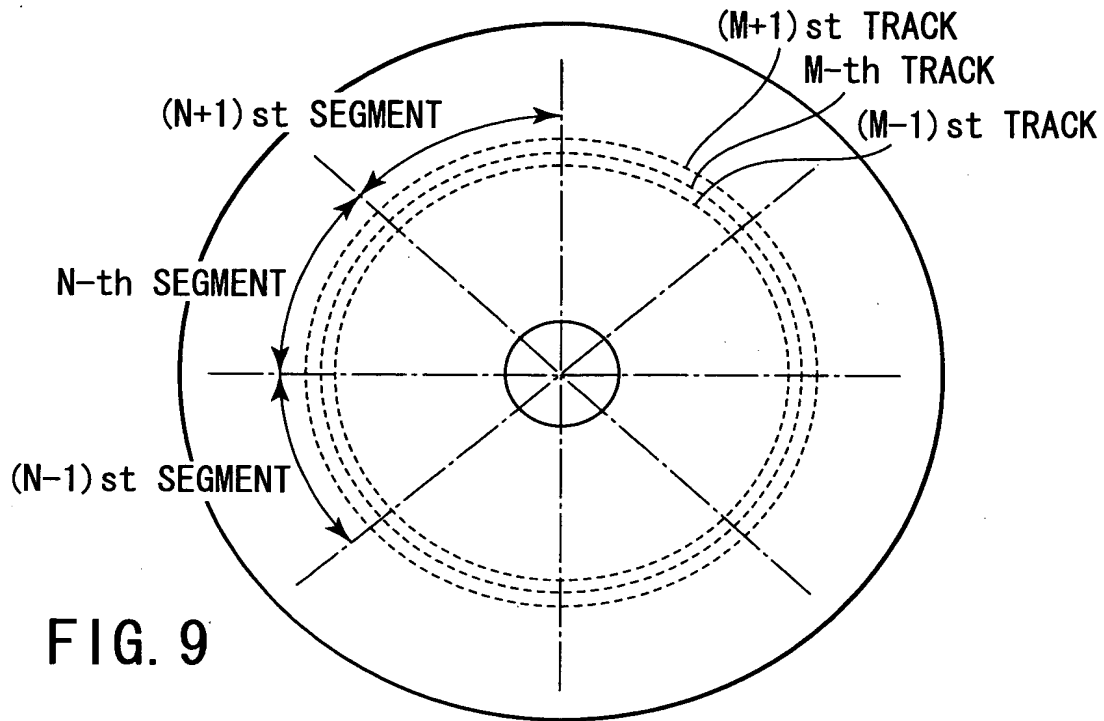


FIG. 8



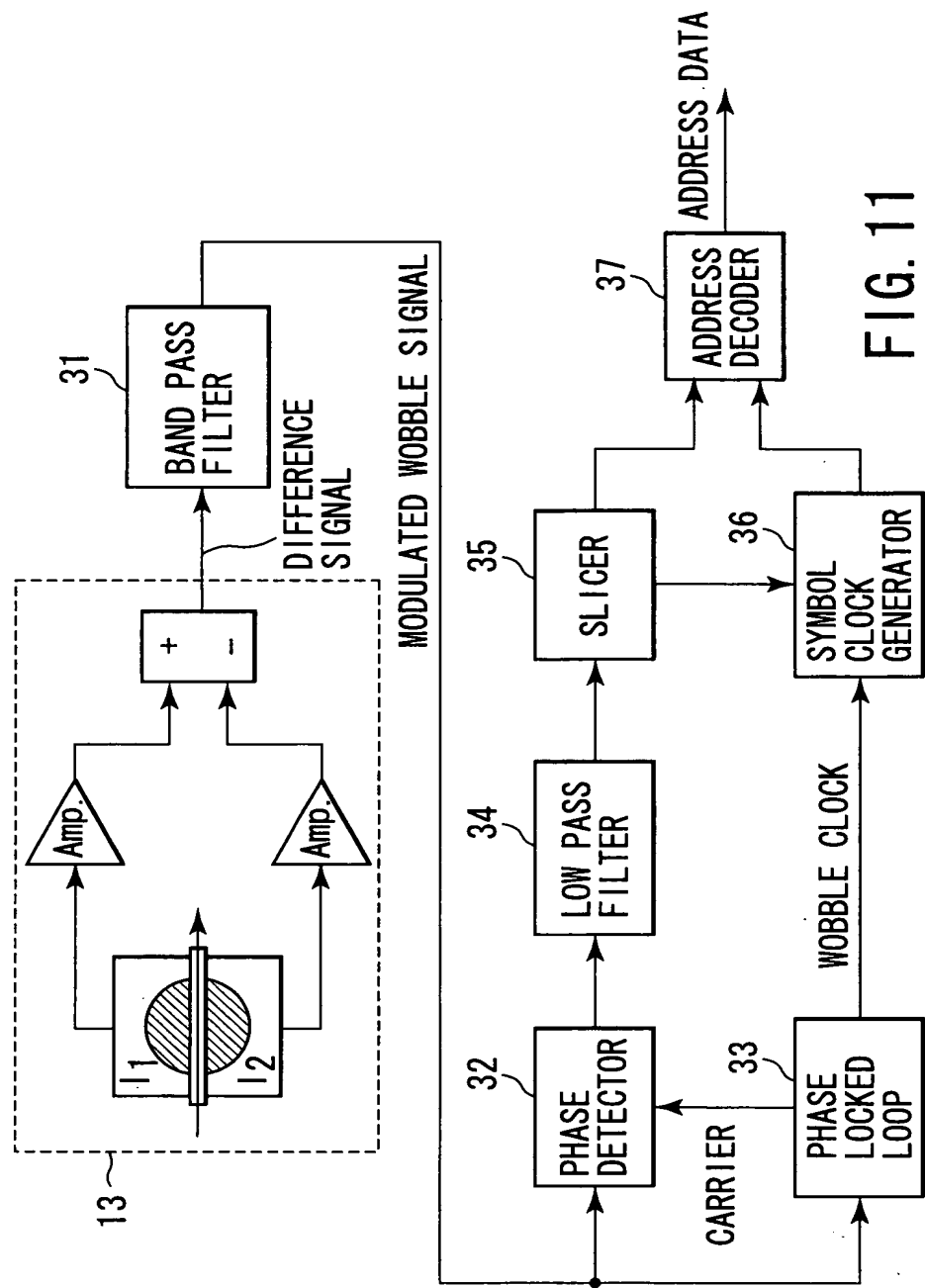
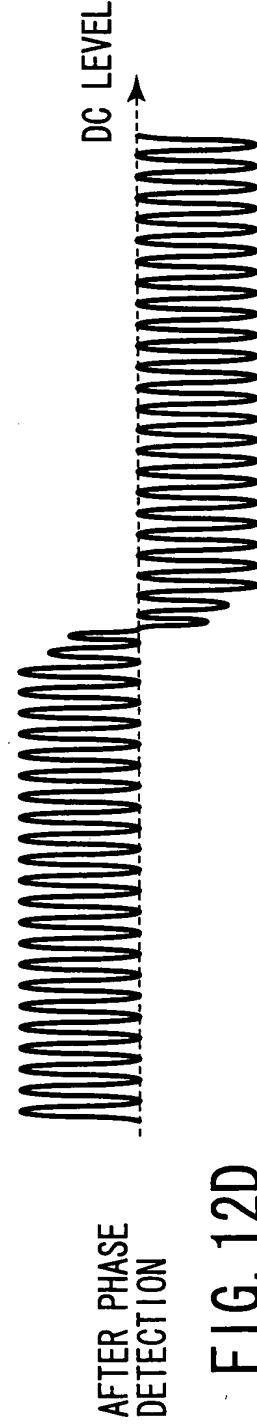
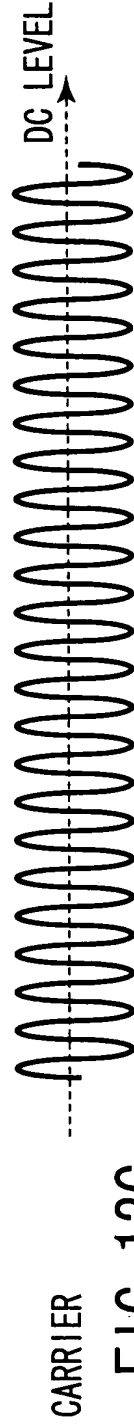
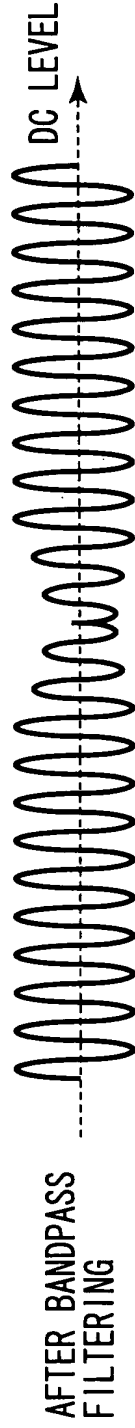
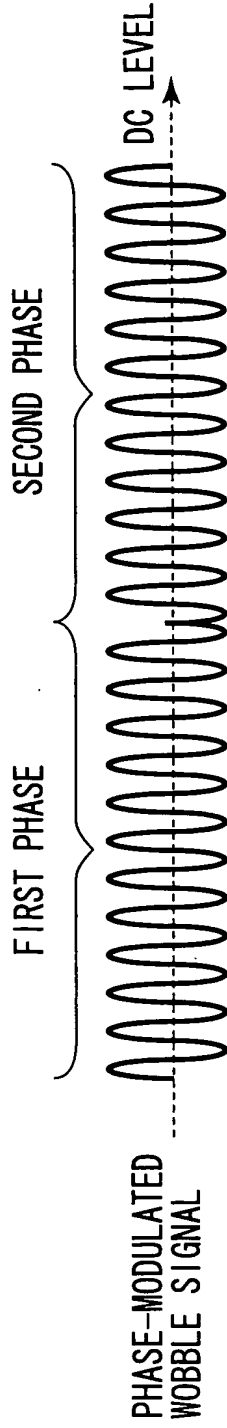
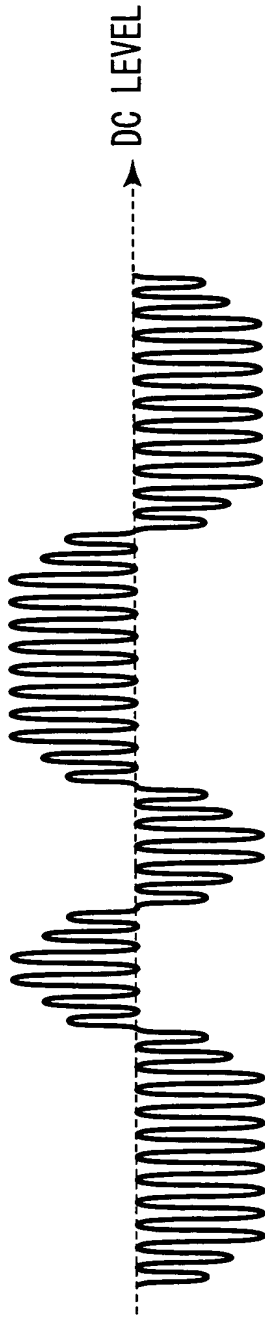
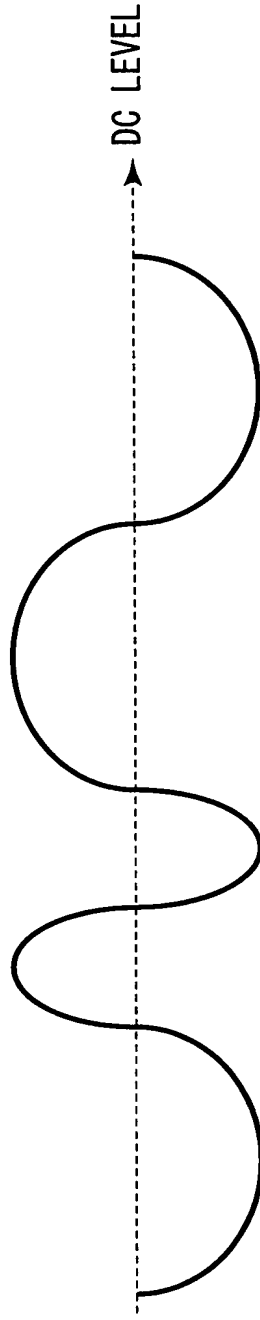


FIG. 11

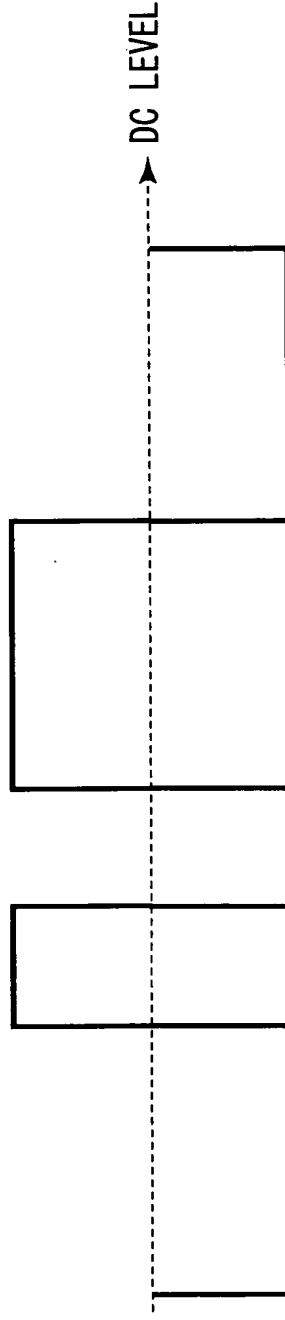




AFTER PHASE
DETECTION
FIG. 13A



AFTER LOWPASS
FILTERING
FIG. 13B



TWO-VALUED
SIGNAL
FIG. 13C



EDGE SIGNAL
FIG. 13D

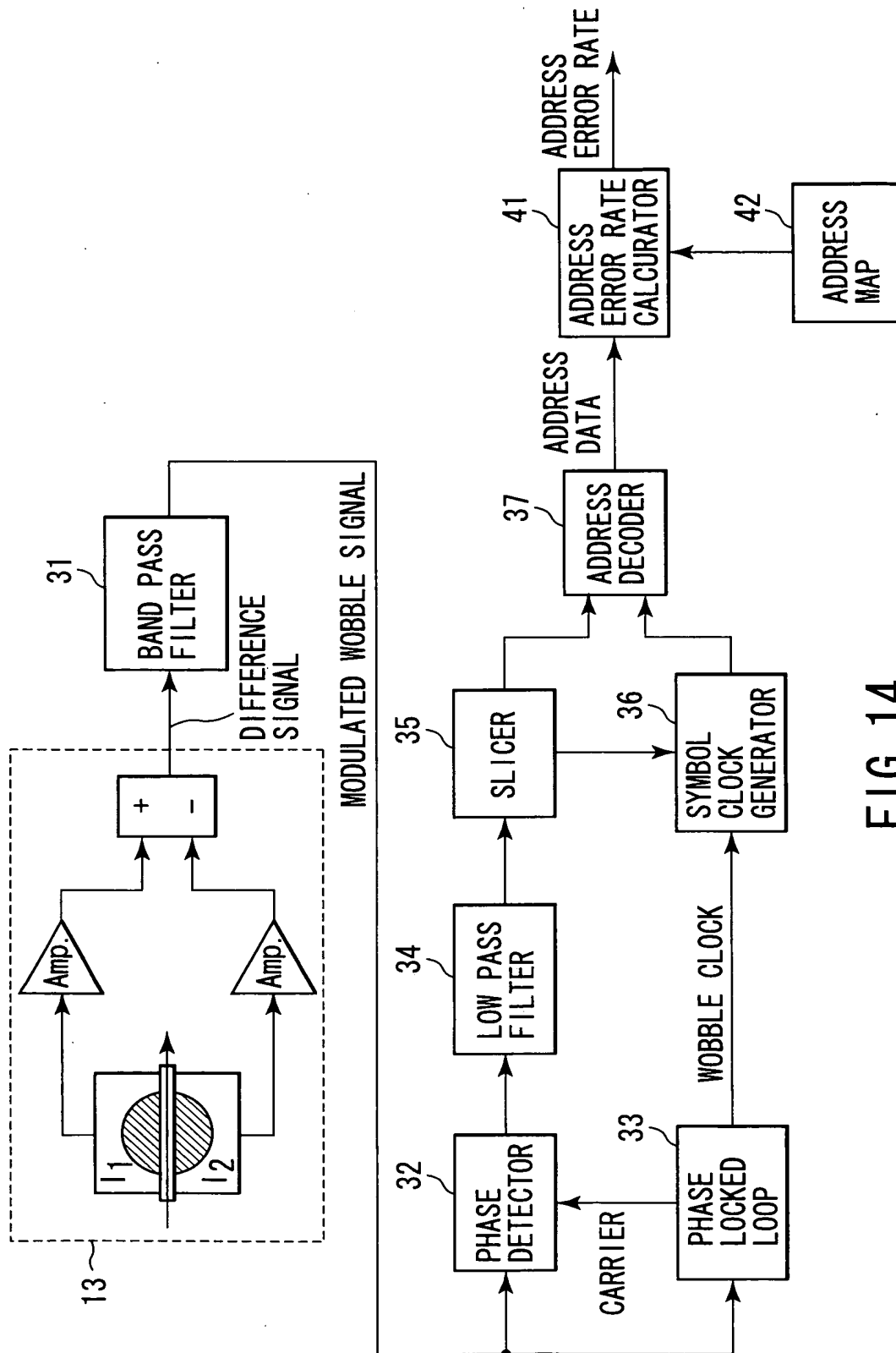


FIG. 14

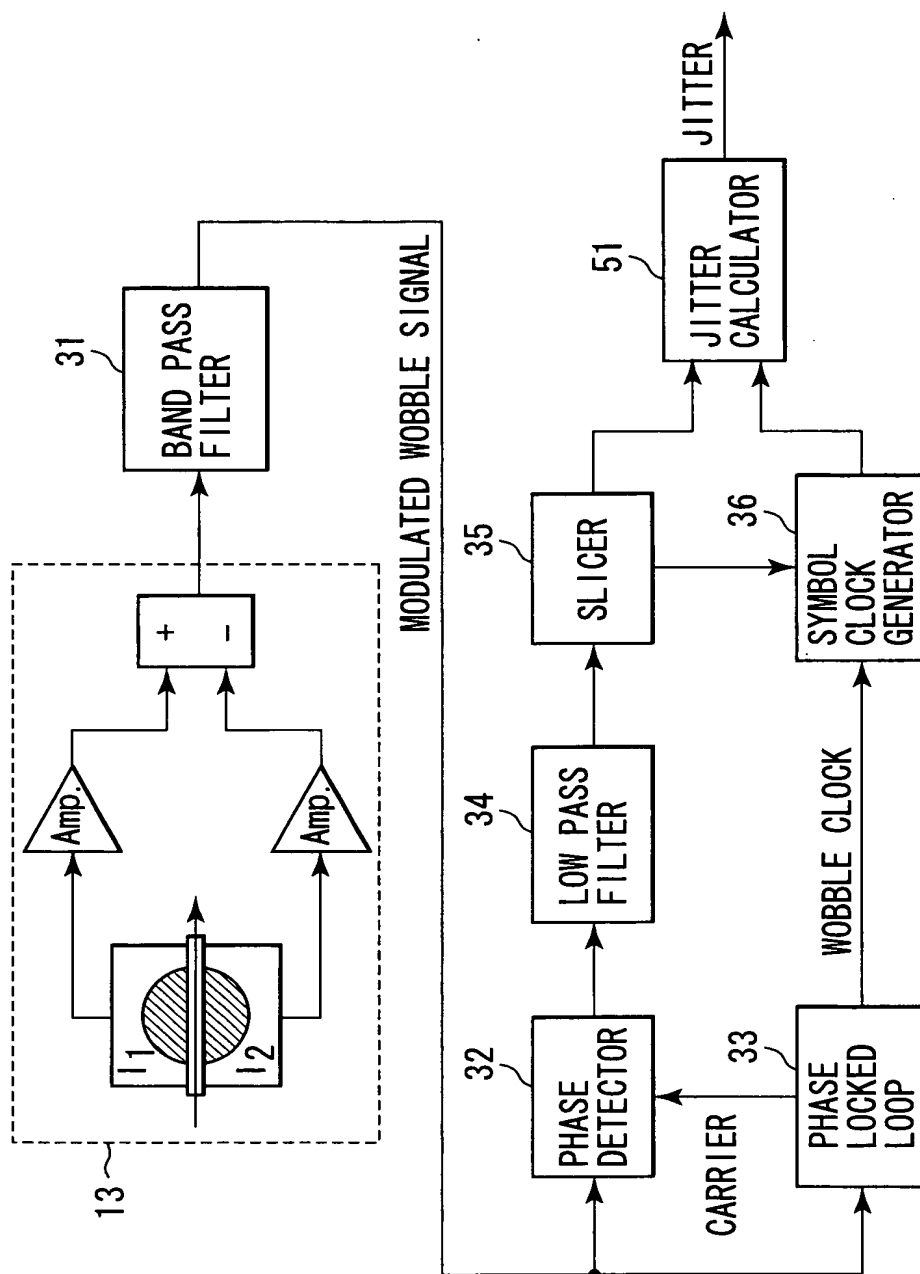
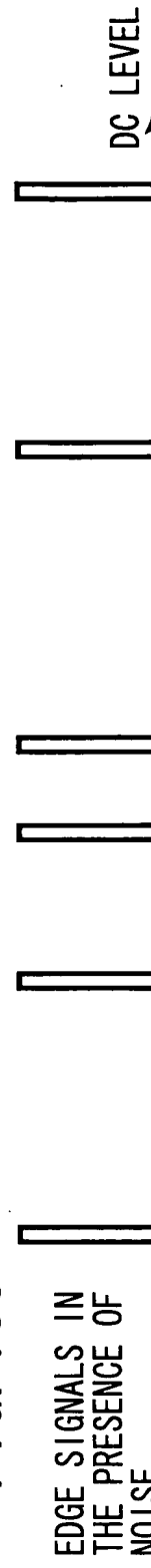
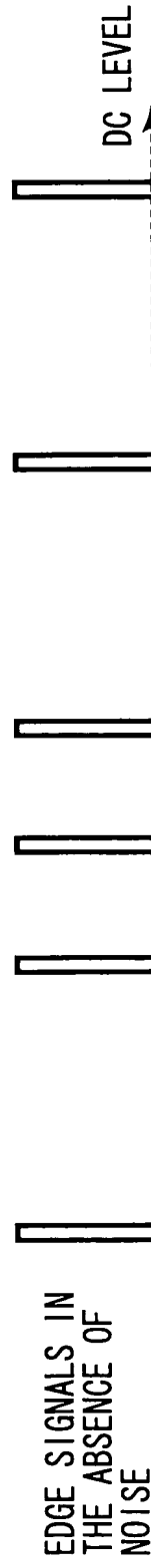
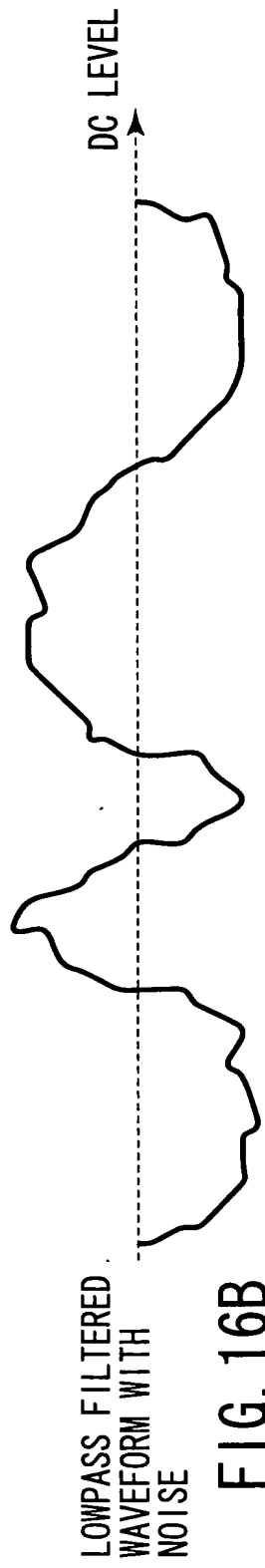
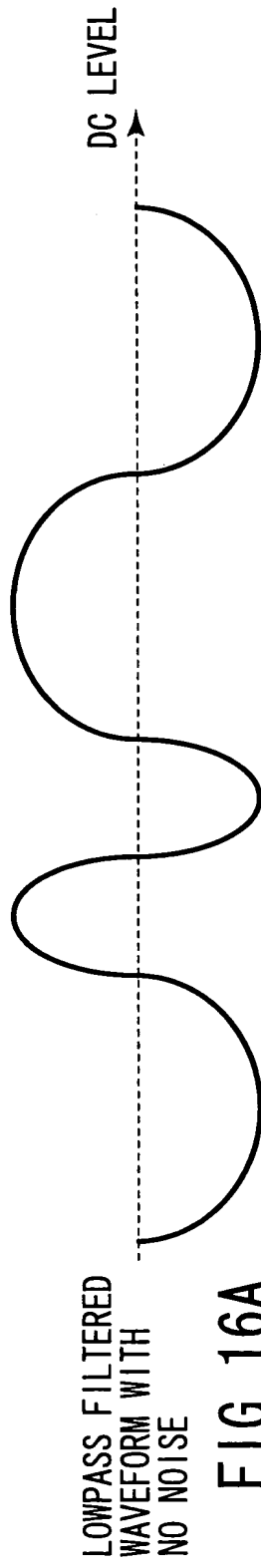


FIG. 15



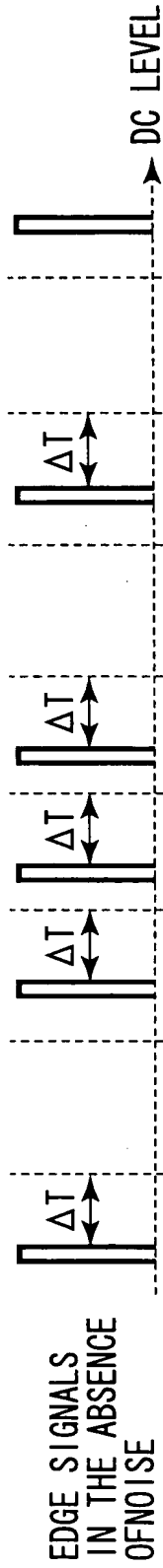


FIG. 17A

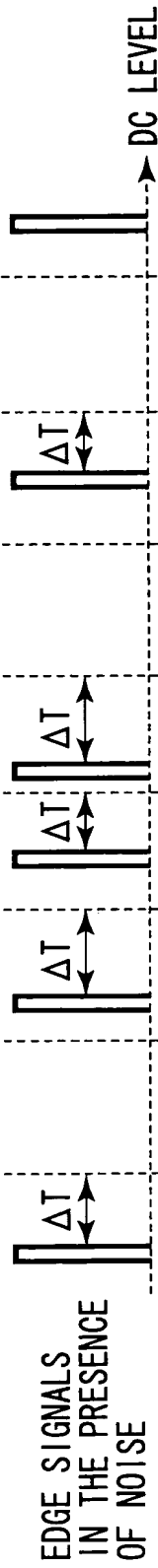


FIG. 17B

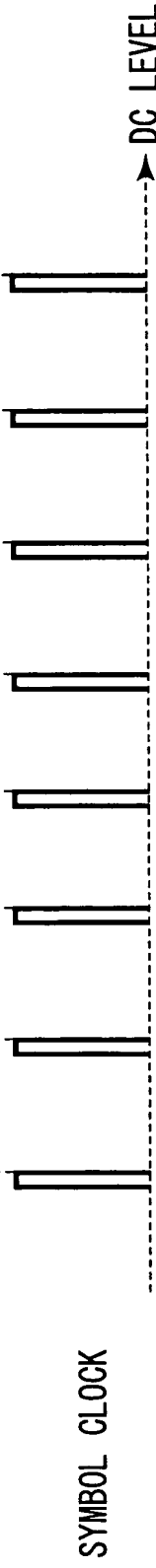
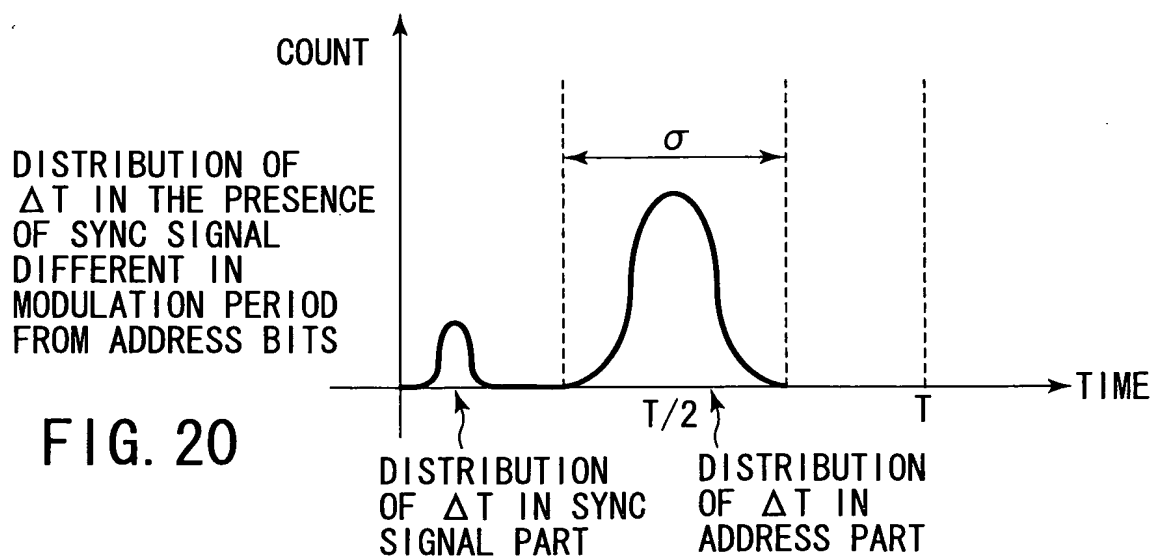
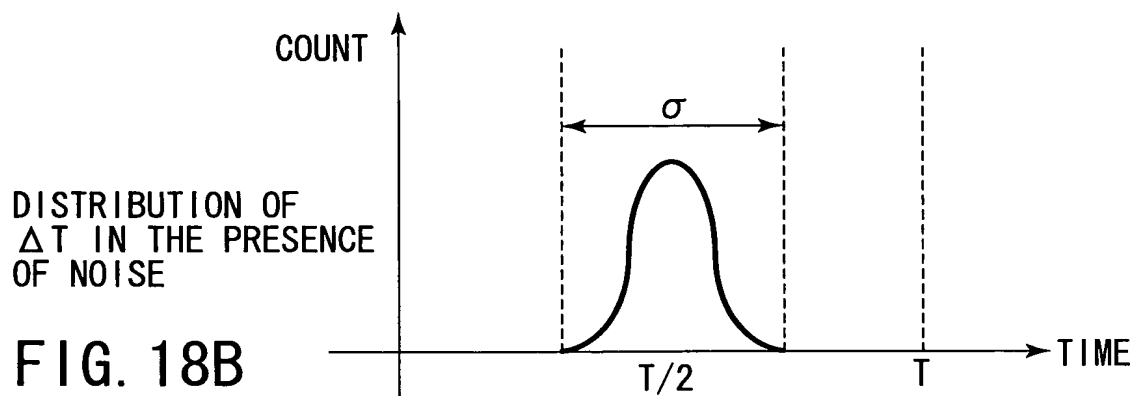
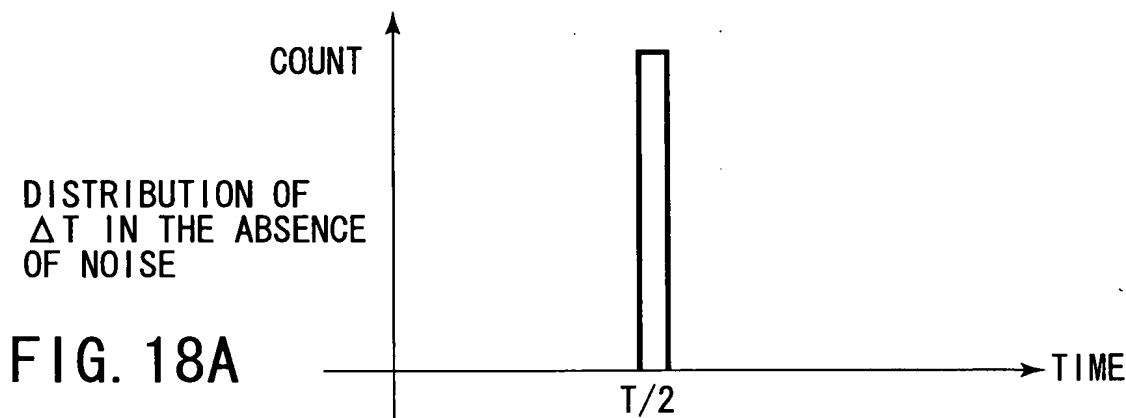


FIG. 17C



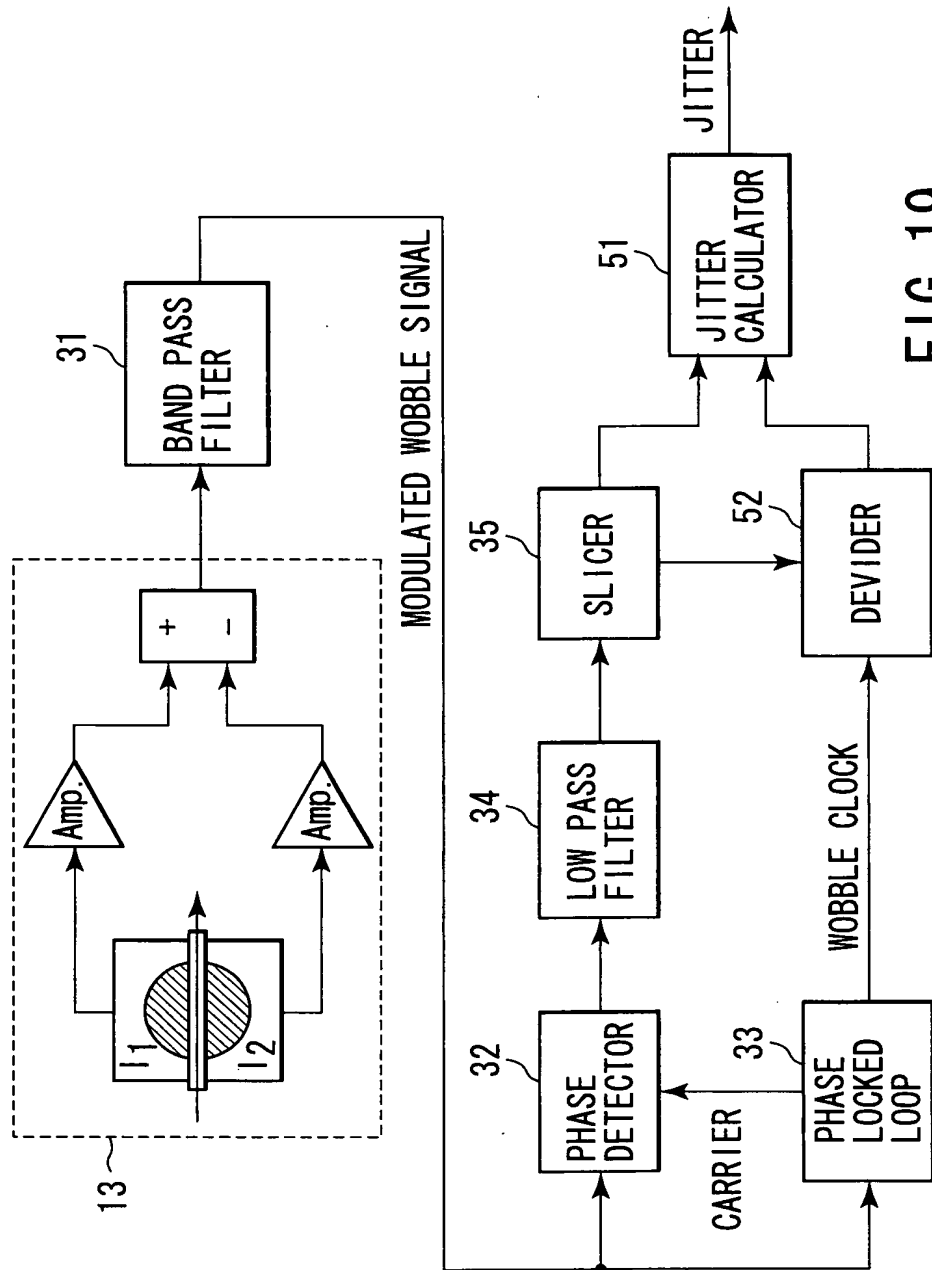
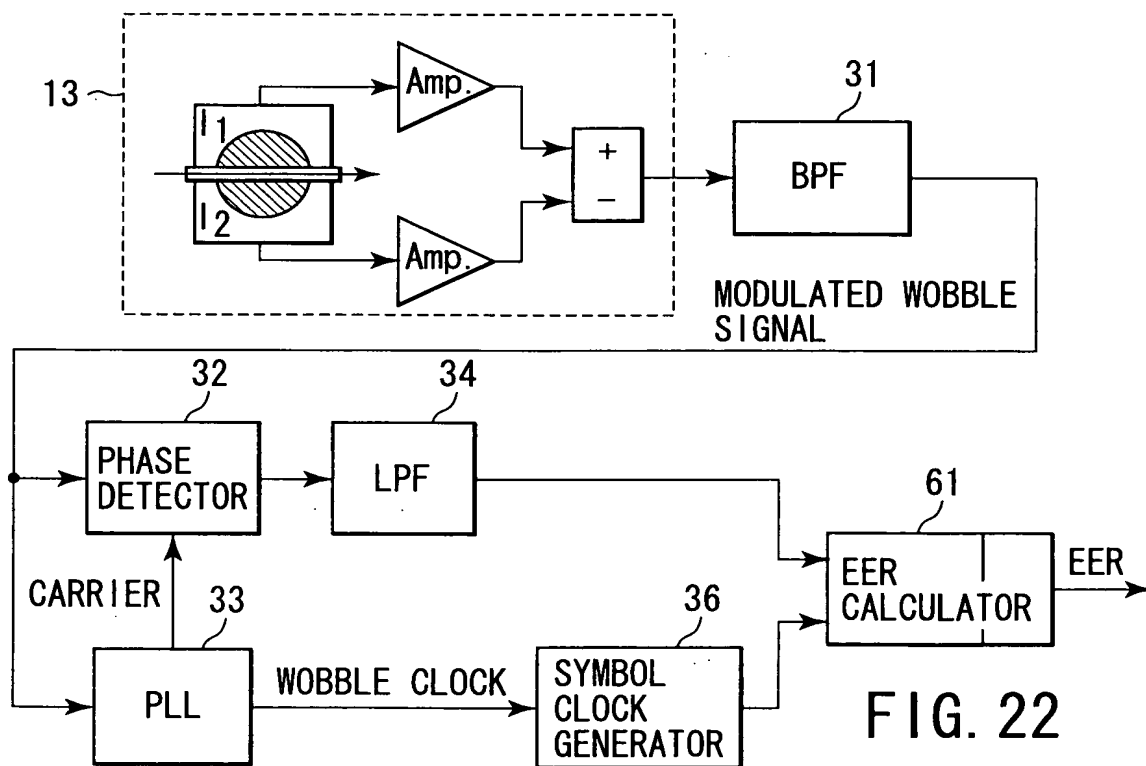
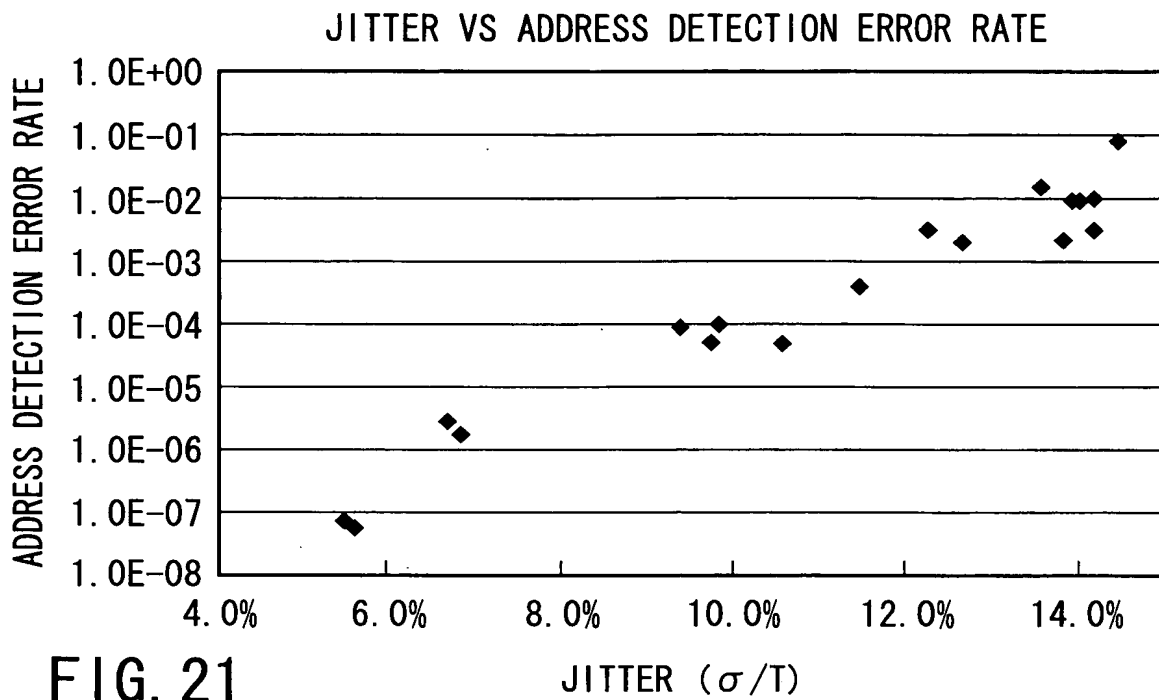


FIG. 19



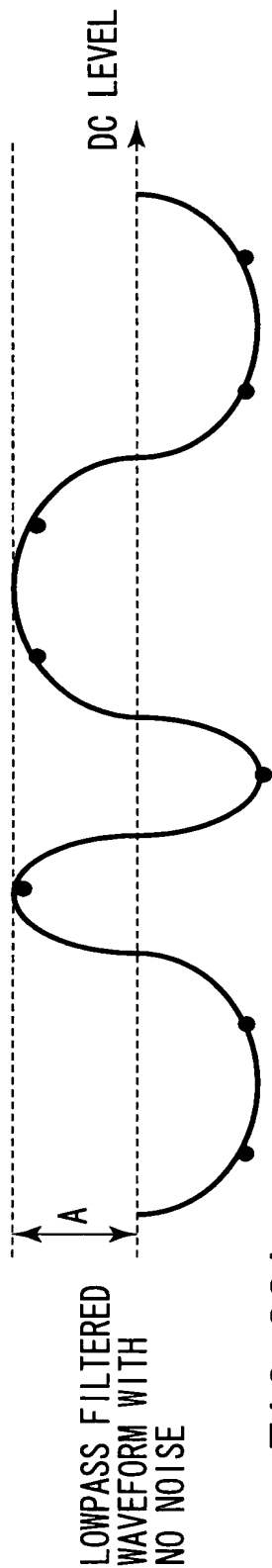


FIG. 23A

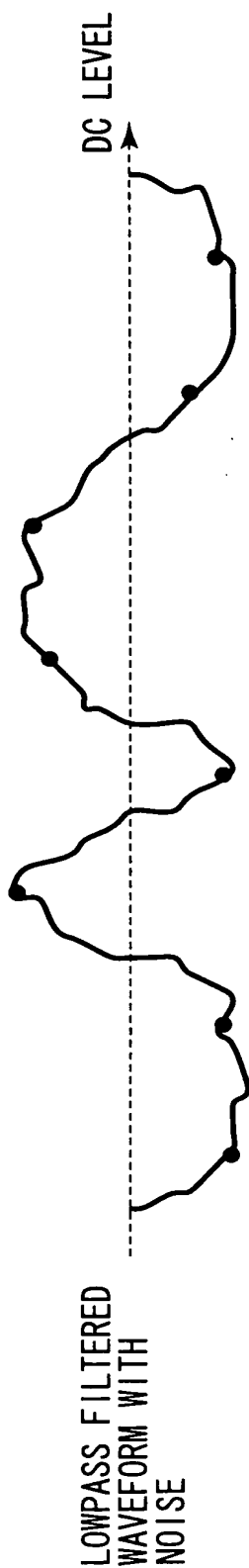


FIG. 23B

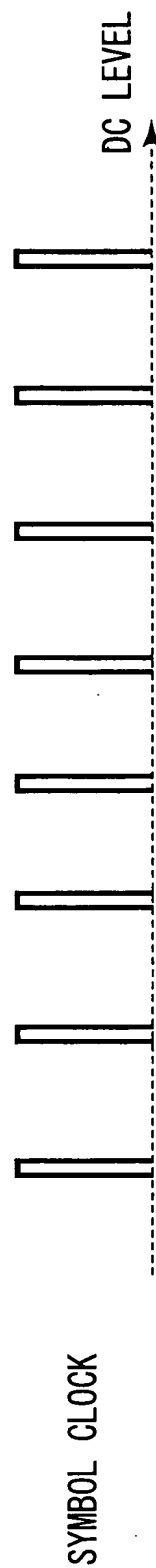
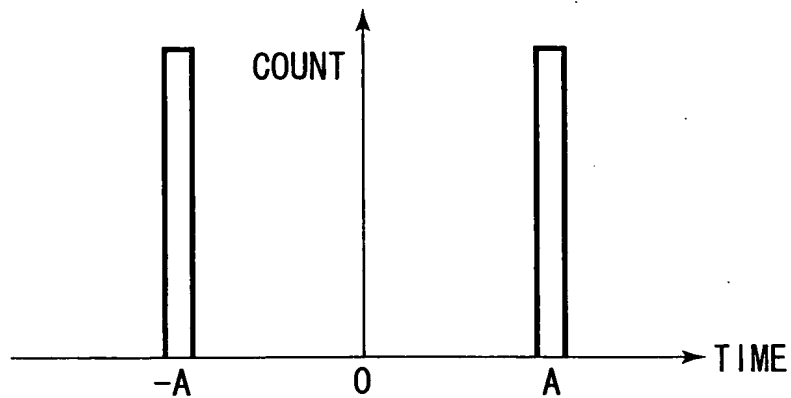


FIG. 23C

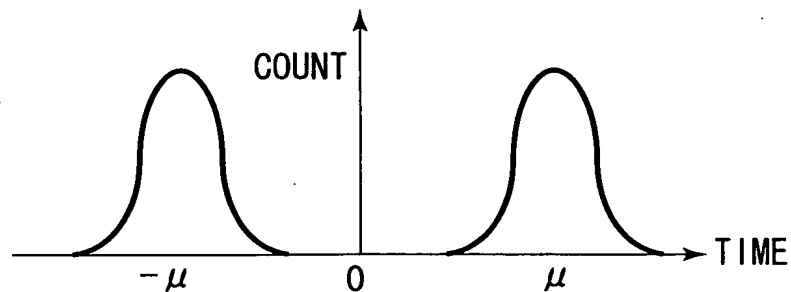
DISTRIBUTION OF
AMPLITUDES IN
THE ABSENCE OF
NOISE

FIG. 24A



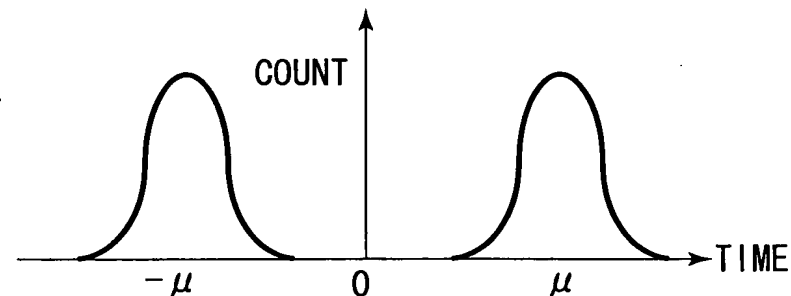
DISTRIBUTION OF
AMPLITUDES IN
THE PRESENCE
OF NOISE

FIG. 24B



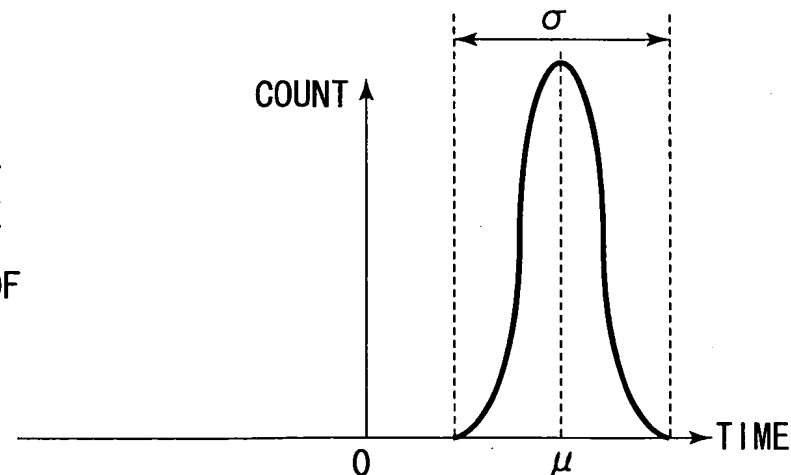
DISTRIBUTION OF
AMPLITUDES IN
THE PRESENCE
OF NOISE

FIG. 25A



DISTRIBUTION OF
ABSOLUTE-VALUE
AMPLITUDES IN
THE PRESENCE OF
NOISE

FIG. 25B



μ/σ	0.00	0.01	0.06	0.07	0.08	0.09
0.00	5.00e-001	4.96e-001	4.76e-001	4.72e-001	4.68e-001	4.64e-001
0.10	4.60e-001	1.56e-001	4.36e-001	4.33e-001	4.29e-001	4.25e-001
0.20	4.21e-001	4.17e-001	3.97e-001	3.94e-001	3.90e-001	3.86e-001
0.30	3.82e-001	3.78e-001	3.59e-001	3.56e-001	3.52e-001	3.48e-001
0.40	3.45e-001	3.41e-001	3.23e-001	3.19e-001	3.16e-001	3.12e-001
0.50	3.09e-001	3.05e-001	2.88e-001	2.84e-001	2.81e-001	2.78e-001
0.60	2.74e-001	2.71e-001	2.55e-001	2.51e-001	2.48e-001	2.45e-001
0.70	2.42e-001	2.39e-001	2.24e-001	2.21e-001	2.18e-001	2.15e-001
0.80	2.12e-001	2.09e-001	1.95e-001	1.92e-001	1.89e-001	1.87e-001
0.90	1.84e-001	1.81e-001	1.69e-001	1.66e-001	1.64e-001	1.61e-001
...
3.00	1.35e-003	1.31e-003	1.11e-003	1.07e-003	1.04e-003	1.00e-003
3.10	9.68e-004	9.35e-004	7.89e-004	7.62e-004	7.36e-004	7.11e-004
3.20	6.87e-004	6.64e-004	5.57e-004	5.38e-004	5.19e-004	5.01e-004
3.30	4.83e-004	4.66e-004	3.90e-004	3.76e-004	3.62e-004	3.49e-004
3.40	3.37e-004	3.25e-004	2.70e-004	2.60e-004	2.51e-004	2.42e-004
3.50	2.33e-004	2.24e-004	1.85e-004	1.78e-004	1.72e-004	1.65e-004
3.60	1.59e-004	1.53e-004	1.26e-004	1.21e-004	1.17e-004	1.12e-004
3.70	1.08e-004	1.04e-004	8.50e-005	8.16e-005	7.84e-005	7.53e-005
3.80	7.23e-005	6.95e-005	5.67e-005	5.44e-005	5.22e-005	5.01e-005
3.90	4.81e-005	4.61e-005	3.75e-005	3.59e-005	3.45e-005	3.30e-005
...
4.00	3.17e-005	3.04e-005	2.45e-005	2.35e-005	2.25e-005	2.16e-005
4.10	2.07e-005	1.98e-005	1.59e-005	1.52e-005	1.46e-005	1.39e-005
4.20	1.33e-005	1.28e-005	1.02e-005	9.77e-006	9.34e-006	8.93e-006
4.30	8.54e-006	8.16e-006	6.50e-006	6.21e-006	5.93e-006	5.67e-006
4.40	5.41e-006	5.17e-006	4.10e-006	3.91e-006	3.73e-006	3.56e-006
4.50	3.40e-006	3.24e-006	2.56e-006	2.44e-006	2.32e-006	2.22e-006
4.60	2.11e-006	2.01e-006	1.58e-006	1.51e-006	1.43e-006	1.37e-006
4.70	1.30e-006	1.24e-006	9.68e-007	9.21e-007	8.76e-007	8.34e-007
4.80	7.93e-007	7.55e-007	5.87e-007	5.58e-007	5.30e-007	5.04e-007
4.90	4.79e-007	4.55e-007	3.52e-007	3.35e-007	3.18e-007	3.02e-007
...

FIG. 26

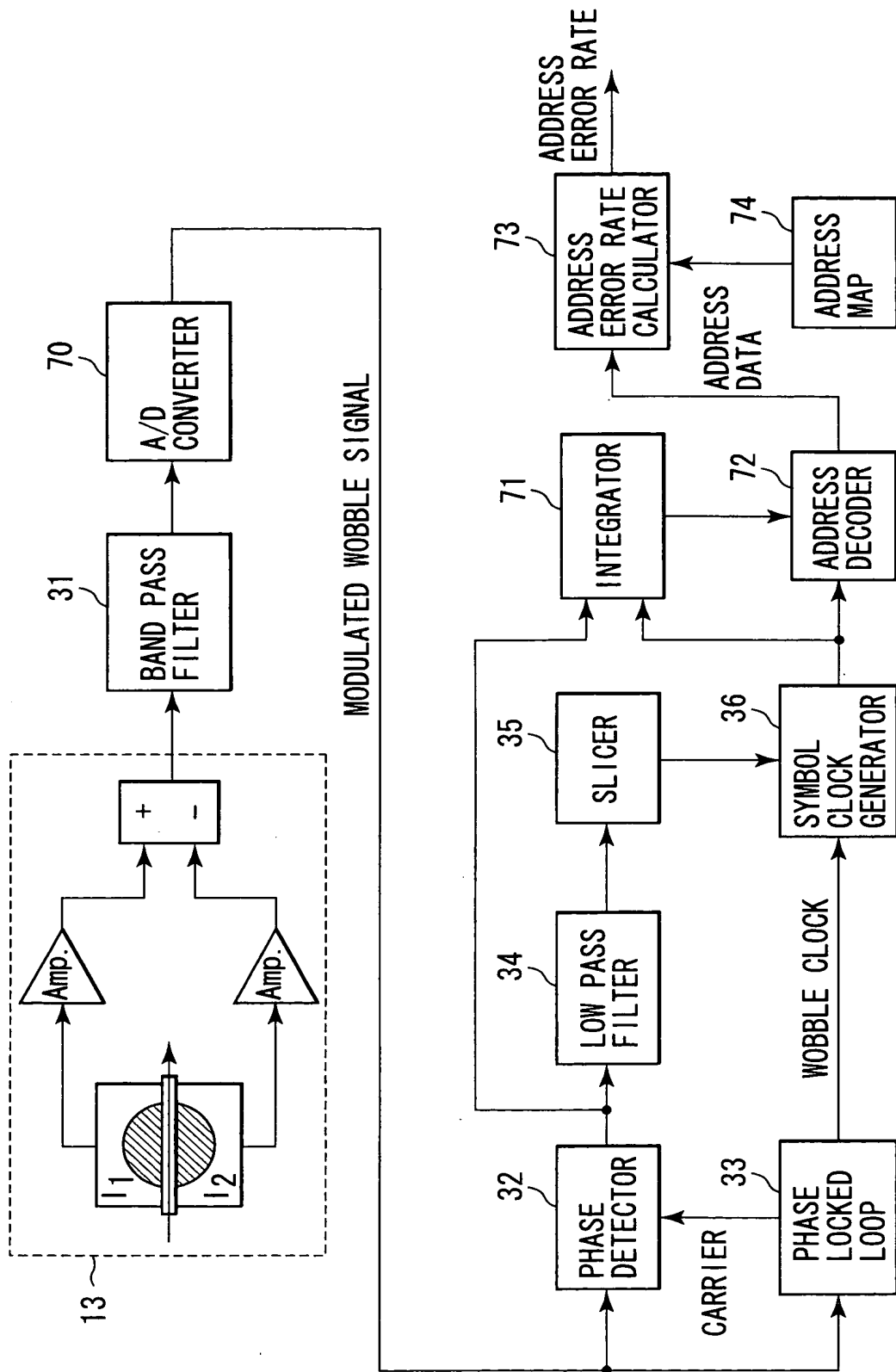
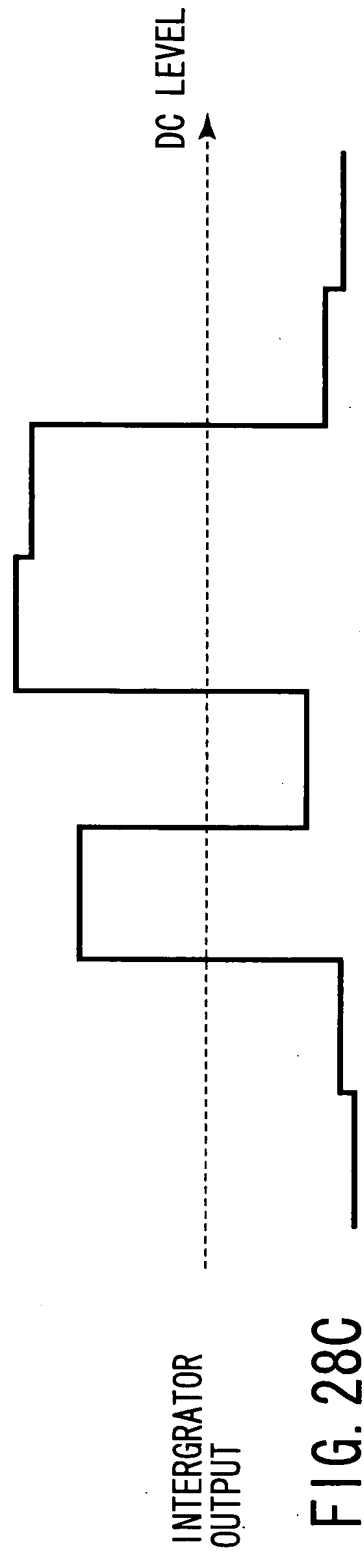
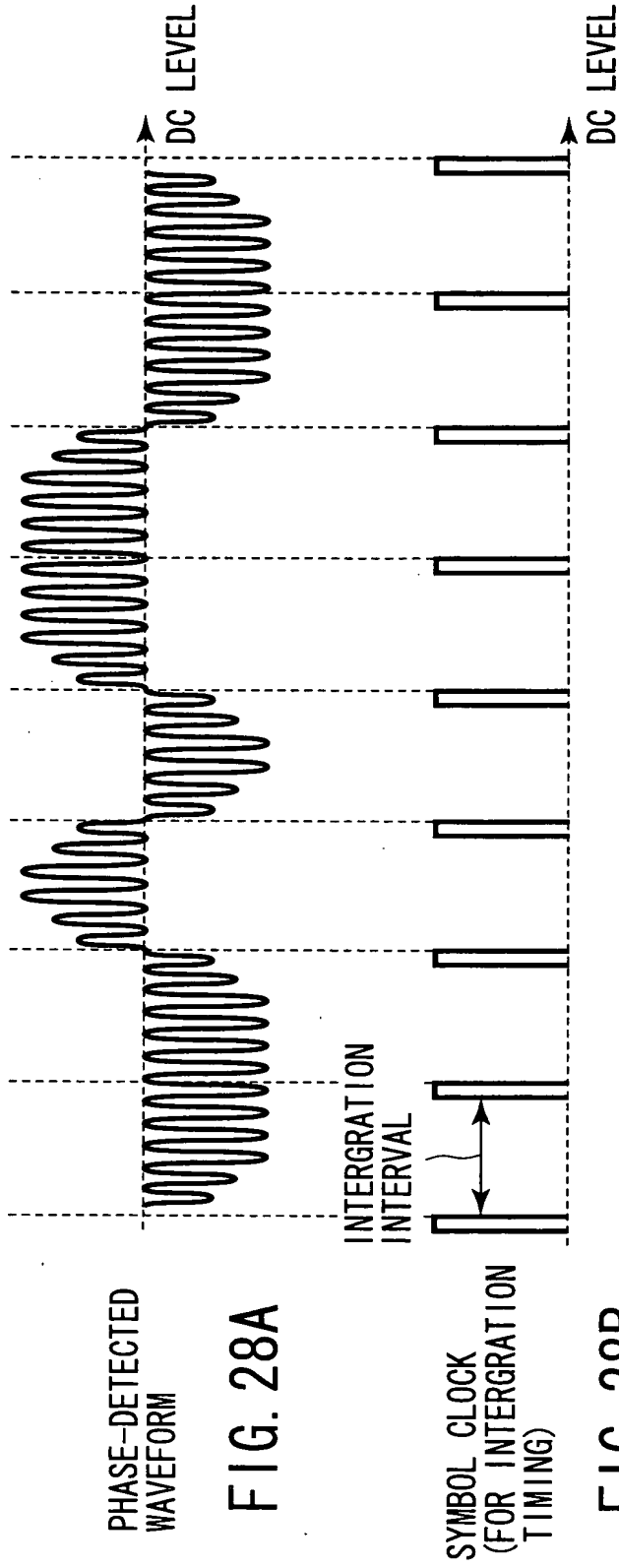


FIG. 27



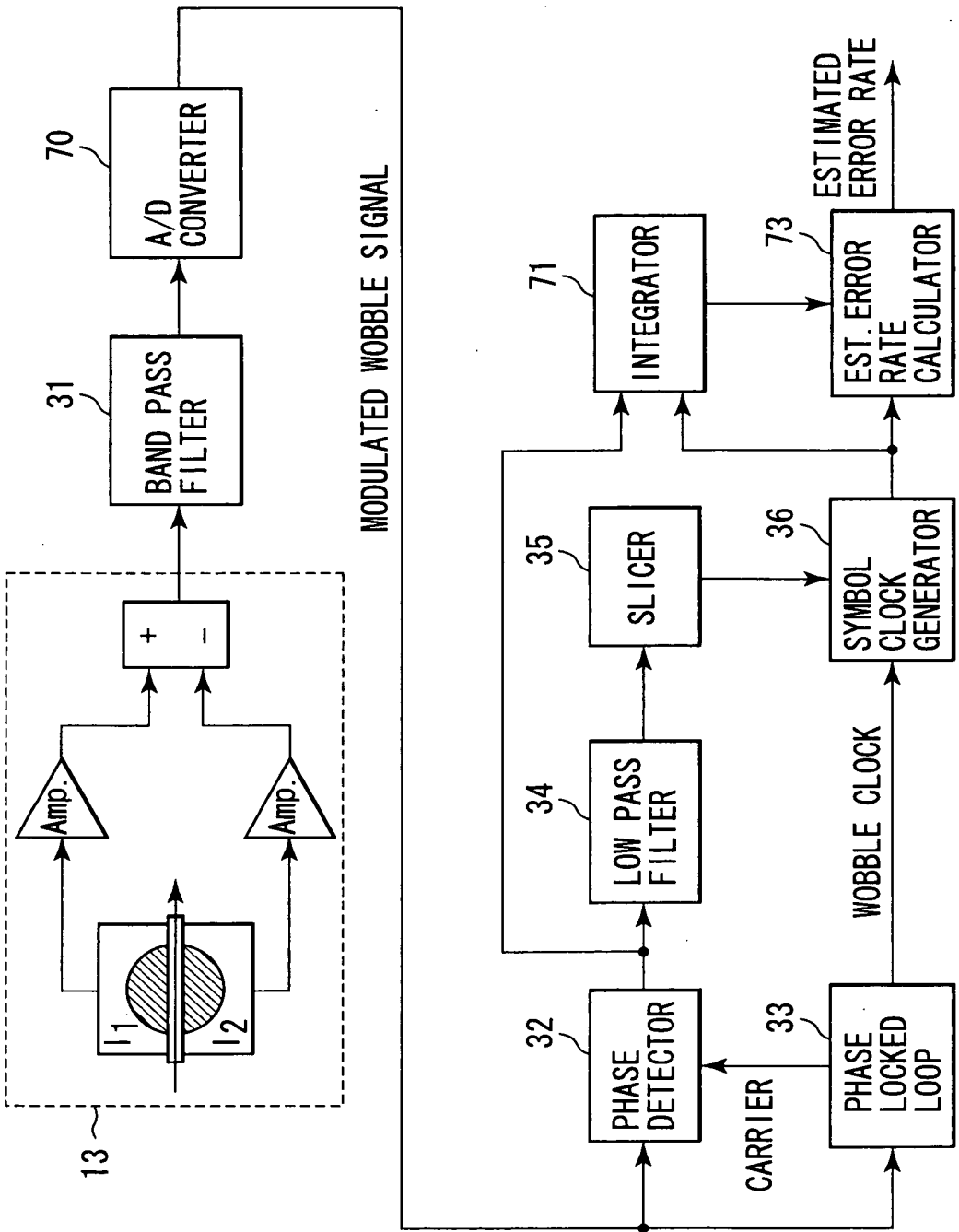


FIG. 29